

IG-190R-14U

The IG-190R-14U built especially for using in rack enclosures. The product is ready to install in the rack enclosures, and can be removed and transferred easily. As you can learn from the product name, it's fit at 14U at the rack 19'.

The IG-190R-14U design for testing any wireless transmission such as: Wi-Fi, Bluetooth, RFID, 3G, WLAN, GPS and WiMAX.

It may also be used for cell-site testing, RF resistor testing and two-way radio testing.



Features

- Fast, reliable EMI/RFI testing and verification, while providing 100% effective shielding of 90dBm minimum attenuation tested as per as MIL-STD-285D up to 6GHz
- Fit into rack 19'
- High performance construction of Aluminum and copper EMC shielding with ROHs compliant welding and RAL 9010 STD coating.
- Manual operation with front loading, two handle opened door, latch locking action.
- Shielding tested under lab conditions with signal generator by spectrum analyzer and conforming antenna. Manufacturer's C.O.T. and test results included.
- For medium UUT's
- Custom-made product adaptable to any application
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Accessories

- Double 90X90 Honey-comb air vent
- Exhaust fan
- 4 SMA connectors
- Filtered terminal 220VAC max 16 Amp
- AC power supply plug in + cord cable
- 4 Outlet 120VAC/15A
- Filtered terminal 50VDC max 20 Amp
- DC Plug in
- RF absorbent foam liner
- Double lip RF sealing
- Grounding Point
- Internal illumination
- Rack 19' shelf

Optional Accessories

- Anechoic absorber lining for the interior surface
- Custom IO's panel with any filtered connectors you may need.
- Waveguide for optic fibers
- RF shielded observation window
- Additional in-port/out-port systems
- Extra custom-made requirements

IG-190R-14U

Dimensions – Outside

Length - 47cm
Width - 57cm
Height - 62cm

Dimensions – Inside

Length - 45cm
Width - 55cm
Height - 60cm

Materials

Body - Aluminum
Door – Aluminum
Frames – SAE 1020
brackets – SAE 1020
FAN – Rubber, sponge and plastic
Gaskets – Rubber, sponge and plastic

Opening system

Manual operation
front loading
Two handle opened door
Latch locking action
RF sealing set

Electric system

220 VAC max 16 Amp
4 outlet power strip 220 VAC
External power cable 220 VAC + plug
100VDC filter 20amp with easy to use plug in.
Interrail lightning

Air vents

EMI shielded windows (honeycomb)
AC fan 90x90 - 40 CFM, magnetic -
bearing, silence

IO's plate

Filtered SMA x4

Internal RF absorber

24 db , internal surfaces covering with
RF absorber foam

Attenuation level

0.1GHz – 1.0GHz > 90dB
1.0GHz – 3.0GHz > 90dB
3.0GHz – 6.0GHz > 90dB

Quality

Testing according to MIL-STD 285
A C.O.A will attach to each box.
Final Attenuation level will set as per
as the weak chosen connector
Warranty – one year from delivering

